



F. C. G. A. H. G.

Sheet 1 of 6

FORM PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: FORS-01756

Serial No.: 08/520,946

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Several Sheets If Necessary)Applicant: MARY ANN D. BROW *et al.*

(37 CFR § 1.98(b))

Filing Date: August 30, 1995

Group Art Unit: 1805

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
JP	AA	4,683,195	7/28/87	Mullis <i>et al.</i>	435	6	2/7/86
	AB	4,683,202	7/28/87	Mullis	435	91	10/25/85
	AC	5,108,892	4/28/92	Burke <i>et al.</i>	435	6	8/3/89
	AD	5,144,019	9/1/92	Rossi <i>et al.</i>	536	23.1 -27	6/21/89
	AE	4,511,502	4/16/85	Builder <i>et al.</i>	530 -260	412 -412	6/1/84
	AF	4,518,526	5/21/85	Olson	530 -260	351 -412	6/1/84
	AG	4,511,503	4/16/85	Olson <i>et al.</i>	530 -260	422 -112	6/1/84
	AH	4,512,922	4/23/85	Jones <i>et al.</i>	530 -260	408 -412	6/1/84
	AI	5,455,170	10/03/95	Abramson <i>et al.</i>	435	252.3	8/27/93
	AJ	5,614,402 <i>Rev 15</i>	5/25/97	Dahlberg <i>et al.</i>	435	199	6/6/94
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	AL	5,422,253	6/6/95	Dahlberg <i>et al.</i>	435	91.53	12/7/92

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
		AM	WO 90/01069	2/8/90	PCT	C12Q	1/68	
		AN	WO 92/06200	4/16/92	PCT	C12N	15/54	
		AO	WO 91/09950	7/11/91	PCT	C12N	15/54	
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	AR	Barany, "Genetic disease detection and DNA amplification using cloned thermostable ligase," <i>Proc. Natl. Acad. Sci.</i> , 88:189 (1991);
	AS	Barany, "The Ligase Chain Reaction in a PCR World," <i>PCR Methods and Applic.</i> , 1:5 (1991);
	AT	Wu and Wallace, "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> 4:560 (1989);
	AU	Guatelli <i>et al.</i> , "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication," <i>Proc. Natl. Acad. Sci.</i> , 87:1874-1878 (1990) with an erratum at <i>Proc. Natl. Acad. Sci.</i> , 87:7797 (1990);
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	AX	Landgren, "Molecular mechanics of nucleic acid sequence amplification," <i>Trends in Genetics</i> 9:199 (1993);
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	AZ	Kwok <i>et al.</i> , "Effects of primer-template mismatches on the polymerase chain reaction: Human immunodeficiency virus type 1 model studies," <i>Nucl. Acids Res.</i> , 18:999 (1990);

Examiner: W-11: am 54-1415

Date Considered: 9/2/97

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: FORS-01756	Serial No.: 08/520,946
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use Several Sheets If Necessary) (37 CFR § 1.98(b))				Applicant: MARY ANN D. BROW <i>et al.</i>	
				Filing Date: August 30, 1995	Group Art Unit: 1805
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
90	BA	Duck <i>et al.</i> , "Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <i>BioTech.</i> , 9:142 (1990);			
	BB	Urdea <i>et al.</i> , "A novel method for the rapid detection of specific nucleotide sequences in crude biological samples without blotting or radioactivity; application to the analysis of hepatitis B virus in human serum," <i>Gene</i> 61:253-264 (1987);			
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	BE	Perlman and Butow, "Mobile Introns and Intron-Encoded Proteins," <i>Science</i> 246:1106 (1989);			
	BF	Conner, <i>et al.</i> , "Detection of sickle cell $\beta^S$ -globin allele by hybridization with synthetic oligonucleotides," <i>Proc. Natl. Acad. Sci.</i> 80:278-282 (1983);			
	BG	Vogelstein <i>et al.</i> , "Genetic Alterations During Colorectal-Tumor Development," <i>N. Eng. J. Med.</i> 319:525-532 (1988);			
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	BI	Lyons, <i>et al.</i> , "Two G Protein Oncogenes in Human Endocrine Tumors," <i>Science</i> 249:655-659 (1990);			
	BJ	Abrams <i>et al.</i> , "Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp," <i>Genomics</i> 7:463-475 (1990);			
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	BP	Scholz, <i>et al.</i> , "Rapid screening for Tp53 mutations by temperature gradient gel electrophoresis: a comparison with SSCP analysis," <i>Hum. Mol. Genet.</i> 2:2155 (1993);			
	BQ	Hayashi, "PCR-SSCP: A Simple and Sensitive Method for Detection of Mutations in the Genomic DNA," <i>PCR Meth. Appl.</i> , 1:34-38, (1991);			
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NO	CA	Kornberg, <i>DNA Replication</i> , W.H. Freeman and Co., San Francisco, pp. 127-139 (1980);			
-	CB	Tindall and Kunkell, Fidelity of DNA Synthesis by the <i>Thermus aquaticus</i> DNA Polymerase," <i>Biochem.</i> 27:6008 (1988);			
-	CC	Brutlag <i>et al.</i> , "An Active Fragment of DNA Polymerase Produced By Proteolytic Cleavage," <i>Biochem. Biophys. Res. Commun.</i> 37:982 (1969);			
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	CF	Gelfand, <i>PCR Technology - Principles and Applications for DNA Amplification</i> (H.A. Erlich, Ed.), Stockton Press, New York, p. 19 (1989);			
	CG	Holland <i>et al.</i> , "Detection of specific polymerase chain reaction product by utilizing the 5'-3' exonuclease activity of <i>Thermus aquaticus</i> DNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> 88:7276 (1991);			
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	CI	Akhmetzjanov and Vakhitov, "Molecular cloning and nucleotide sequence of the DNA polymerase gene from <i>Thermus flavus</i> ," <i>Nucl. Acids Res.</i> 20:5839 (1992);			
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	CK	Levine, "The Tumor Suppressor Genes," <i>Annu. Rev. Biochem.</i> 62:623 (1993);			
	CL	Lane and Benchimol, "p53: oncogene or anti-oncogene," <i>Genes Dev.</i> 4:1 (1990);			
	CM	Lowe <i>et al.</i> , "p53-Dependent Apoptosis Modulates the Cytotoxicity of Anticancer Agents," <i>Cell</i> 74:957 (1995);			
	CN	Hollstein, <i>et al.</i> , "Database of p53 gene somatic mutations in human tumors and cell lines," <i>Nucleic Acids Res.</i> 22:3551 (1994);			
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-	DO	Ito <i>et al.</i> , "Compilation and alignment of DNA polymerase sequences," <i>Nucl. Acids Res.</i> 19:4045 (1991);			
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1	EB	Bouchard <i>et al.</i> , "Induction of Pigmentation in Mouse Fibroblasts by Expression of Human Tyrosinase cDNA," <i>J. Exp. Med.</i> 169:2029 (1989);			
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6	EG	Goldsmith <i>et al.</i> , "'Silent' nucleotide substitution in a $\beta^+$ -thalassemia globin gene activates splice site in coding sequence RNA," <i>Proc. Natl. Acad. Sci. USA</i> 80:2318 (1983);			
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9	EJ	Nugent <i>et al.</i> , "Characterization of the Apurinic Endonuclease Activity of <i>Drosophila</i> Rrpl," <i>Biochemistry</i> , 32:11445 (1993);			
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25	EZ	T.R. Cech <i>et al.</i> , "Secondary Structure of the <i>Tetrahymena</i> Ribosomal RNA intervening sequence, Structural homology with fungal mitochondrial intervening sequences," <i>Proc. Natl. Acad. Sci. USA</i> 80:3903 (1983);			
Examiner: <i>W.H. Sanders</i>		Date Considered: 9/2/92			
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use Several Sheets If Necessary)				Applicant: MARY ANN D. BROW <i>et al.</i>	
				Filing Date: August 30, 1995	Group Art Unit: 1805
(37 CFR § 1.98(b))					
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)					
FA	C.R. Woese <i>et al.</i> , "Detailed Analysis of the Higher Order Structure of 16S Like Ribosomal Ribonucleic Acids," <i>Microbiology Reviews</i> 47:621 (1983);				
FB	Hoheisel <i>et al.</i> , "On The Activities of <i>Escherichia coli</i> Exonuclease III," <i>Anal. Biochem.</i> 209:238-246 (1993);				
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Examiner: William Sandau		Date Considered: 9/2/97			
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